



U.S. Environmental Protection Agency Region 3

Hanlin-Allied-Olin Superfund Site

Moundsville, WV

Cleanup Progress and Community Update

March 2007

Cleanup Activities in High Gear

For the last two years, construction crews have been busy digging up buried waste and contaminated soils on the Hanlin-Allied-Olin Superfund Site. Wastes were buried in the ground when the facility was producing chemicals from the 1950s to the 1990s. In addition, accidental spills and surface water run-off contributed to soil contamination.

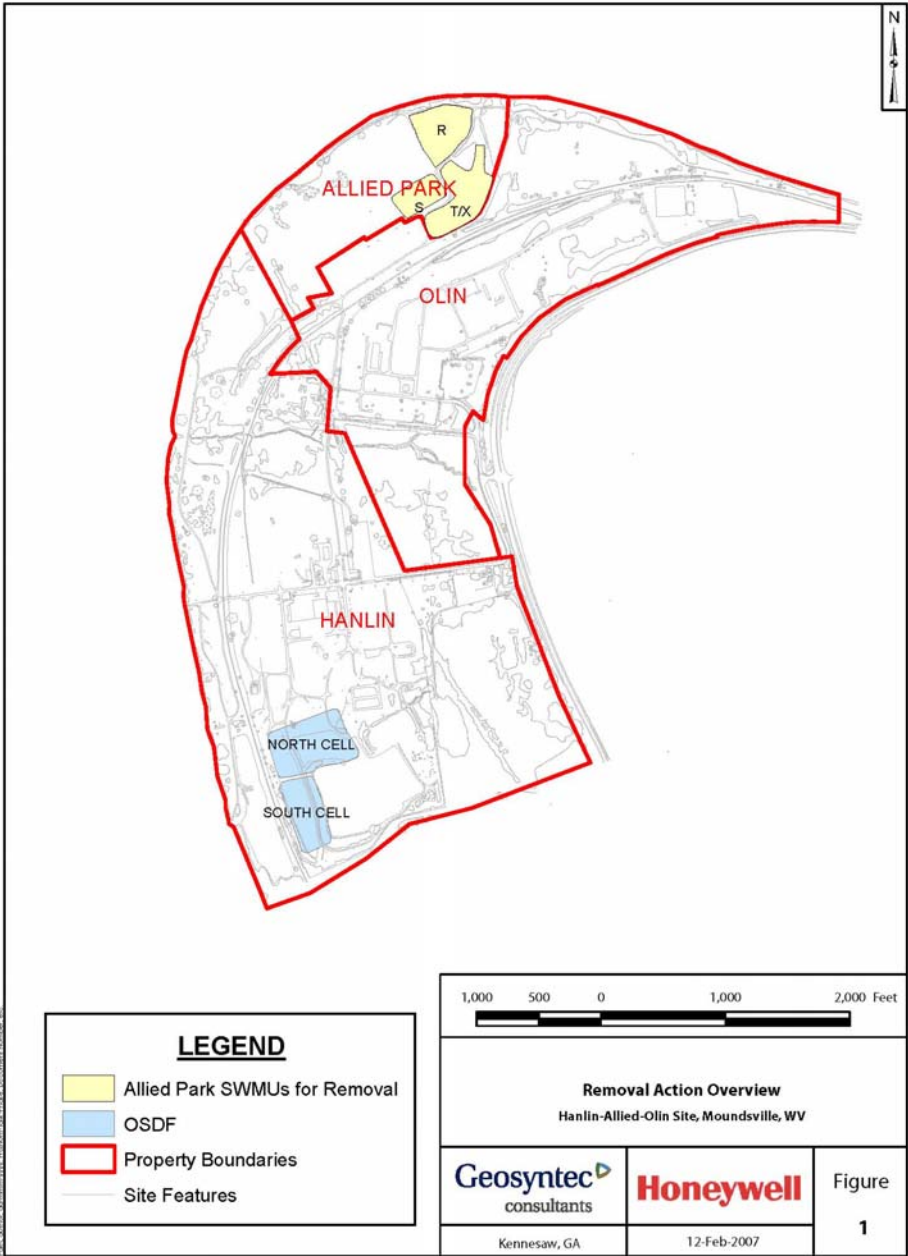
A state of the art landfill was constructed to properly contain the hazardous material. The landfill consists of two separate units, referred to as the south cell and the north cell (see Figure 1). Wastes and contaminated soils from the former Allied/LCP/Hanlin chemical operations in the southern portion of the site were placed in the south cell. These wastes contain volatile organic compounds and mercury. The south cell was filled to capacity and closed with a multi-layer synthetic cap. It was completed in October 2006 and is now covered with soil and grass.

Currently, the crews are excavating buried waste in low lying areas adjacent to the Ohio River, which are identified as Solid Waste Management Units (SWMUs) R, S, and T/X on Figure 1. These wastes, generated from the former Allied chemical operations on the northern portion of the site, contain semi-volatile compounds and are being placed in the north cell. Some of the waste contains nitrobenzene and dichlorobenzene, which are odorous even at low concentrations.



How We are Working to Control Odors

While it is not possible to completely eliminate the odors, EPA is taking a number of steps to keep them at a minimum and insure human health by regularly monitoring the air around the site during construction activities. Crews are digging up the odorous materials during the coldest months of the year; stopping excavation of the odorous wastes if the wind is blowing in the direction of the residences or golf course; covering odorous waste with non-odorous material; and spraying a natural air freshener into the atmosphere in the vicinity of the north cell. To ensure the protection of nearby residents, golf course personnel and golfers, EPA has established site specific air standards for the fence line for most of the chemicals that we expect to find at the site. These standards have not been exceeded since wastes were initially excavated in September 2004.



For more information

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Site-related documents are available for review on EPA's website:

<http://www.epa.gov/reg3hwmd/super>.

Site History

This Superfund Site is divided into three units. The south plant consists of land formerly owned and operated by LCP Chemicals/Hanlin and Allied. This southern portion produced chloromethane products and used the chlor-alkali (mercury cell) process to produce compounds including chlorine, sodium hydroxide and hydrogen. The northern portion of the Site, formerly Allied/Olin, produced aniline, nitrobenzene, dinitrotoluene, (DNT), toluenediamine (TDA), methylene dianiline (MDA), and toluene diisocyanate (TDI). The third area, referred to as Allied Park, was used for disposal of chemical waste products from the northern production processes.

Future Activities

While the current construction activities are being done as part of a removal order between EPA and Honeywell to address the worst contaminated portions of the site, EPA is completing an investigation of the former Olin portion of the site, and expects to propose a removal action to address cleaning up the surface soils in spring 2007. EPA is continuing to investigate and evaluate the entire site for remaining areas that may require cleanup. Our findings and recommendations will be presented to the public prior to making any final decisions.

U.S. Environmental Protection Agency Update on the Hanlin-Allied-Olin Superfund Site



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